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PATENT  
Hawkins

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Yong-Ho MOON et al.

Serial No. 09/833,592

Filed: April 13, 2001

For: CRYSTAL OSCILLATOR WITH IMPROVED SHOCK RESISTANCE

Group Art Unit: 2834

Examiner: P. Cuevas

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SEP 23 2002  
TECHNOLOGY CENTER 2800

AMENDMENT

COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Sir:

The following amendments and remarks are submitted in response to the Official Action dated June 19, 2002.

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 11, line 3 with the following:

a' The length extension ratio of the connecting parts 210 to the bridge parts 190 should be preferably about 2.5 ~ 3.0 :1, and more preferably should be about 2.78 : 1. In this manner, any ruptures of the connecting parts 210 due to external impacts can be prevented.

Please replace the paragraph beginning on page 12, line 22 with the following:

a² Preferably, the width of the bridge parts 190 is decreased by 1/8 compared with the extension of the length of the connecting parts 210. To define it more specifically, when the length of the connecting parts 210 is 275µ m, the width of the bridge parts 190 is made to be 184µ m which is equivalent to the conventional bridge part length 218µ m less 34µ m..

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